

PONTYPOOL URBAN DISTRICT COUNCIL

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# PUBLIC HEALTH REPORT

*FOR THE YEAR 1970*

---

F. J. HALLINAN,  
M.B.E. (Mil.), M.B., B.Ch., D.P.H.,  
*Area Medical Officer No. 7 Area,  
Monmouthshire.  
District Medical Officer,  
Pontypool Urban District.*

MUNICIPAL OFFICES,  
PONTYPOOL,  
MON.

APRIL, 1971.



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## STATISTICAL SUMMARY, 1970

|                                                                                                         |    |    |    |              |
|---------------------------------------------------------------------------------------------------------|----|----|----|--------------|
| Area of District                                                                                        | .. | .. | .. | 15,907 acres |
| Rateable Value (1.4.'70)                                                                                | .. | .. | .. | £1,181,828   |
| Estimated Product of 1d. rate (1.4.'70)                                                                 | .. | .. | .. | £4,555       |
| Number of inhabited houses (1.4.70')                                                                    | .. | .. | .. | 13,351       |
| Population (Estimated mid-1970)                                                                         | .. | .. | .. | 36,090       |
| Number of live births (1970)                                                                            | .. | .. | .. | 529          |
| Live birth rate per 1,000 population                                                                    | .. | .. | .. | 14.7         |
| Number of illegitimate live births                                                                      | .. | .. | .. | 20           |
| Illegitimate live births per cent of total live births                                                  | .. | .. | .. | 4%           |
| Number of stillbirths                                                                                   | .. | .. | .. | 12           |
| Stillbirth rate per 1,000 total live and stillbirths                                                    | .. | .. | .. | 22           |
| Total live and stillbirths                                                                              | .. | .. | .. | 541          |
| Number of infant deaths (deaths under 1 year)                                                           | .. | .. | .. | 8            |
| Infant mortality rate per 1,000 live births                                                             | .. | .. | .. | 15.0         |
| Neo-natal mortality rate (deaths under 4 weeks per 1,000 live births)                                   | .. | .. | .. | 9.0          |
| Perinatal mortality (stillbirths and deaths under 1 week combined per 1,000 total live and stillbirths) | .. | .. | .. | 30           |
| Number of maternal deaths (including abortion)                                                          | .. | .. | .. | NIL          |
| Maternal mortality rate per 1,000 total live and stillbirths                                            | .. | .. | .. | NIL          |
| Number of deaths (1970)                                                                                 | .. | .. | .. | 473          |
| Death rate per 1,000 population                                                                         | .. | .. | .. | 13.1         |

| <i>Year</i> | <i>Births</i> | <i>Deaths</i> | <i>Natural Increase</i> |
|-------------|---------------|---------------|-------------------------|
| 1952        | 699           | 507           | 192                     |
| 1953        | 683           | 466           | 217                     |
| 1954        | 628           | 480           | 148                     |
| 1955        | 563           | 510           | 53                      |
| 1956        | 571           | 543           | 78                      |
| 1957        | 593           | 475           | 118                     |
| 1958        | 623           | 461           | 162                     |
| 1959        | 569           | 471           | 98                      |
| 1960        | 587           | 498           | 89                      |
| 1961        | 649           | 517           | 132                     |
| 1962        | 632           | 481           | 151                     |
| 1963        | 675           | 512           | 163                     |
| 1964        | 661           | 501           | 160                     |
| 1965        | 694           | 467           | 227                     |
| 1966        | 603           | 508           | 95                      |
| 1967        | 556           | 451           | 105                     |
| 1968        | 560           | 531           | 29                      |
| 1969        | 551           | 517           | 34                      |
| 1970        | 529           | 473           | 56                      |

# PONTYPOOL URBAN DISTRICT COUNCIL

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## Councillors:

Chairman: G. M. DAY

Vice-Chairman: J. W. HAYCOCK

## Wards:

### *Garndiffaith:*

C. LITTLE

R. T. G. WATKINS

G. I. MILES

### *Abersychan:*

W. BERRY

J. J. MILES

A. PARRY

### *Snatchwood:*

S. W. BALL

W. M. GEORGE

E. H. PARKER

### *Wainfelin:*

D. J. COTTRELL

H. J. ROSSER

C. G. THOMAS

### *Pontypool:*

G. M. DAY

J. C. LEAHY

Mrs. M. P. WELLS

P. J. YOUNG

### *Pontymoile:*

W. L. JACKSON, M.M., B.E.M.

Mrs. M. L. LEE, M.B.E., J.P.

### *Griffithstown:*

G. S. EVANS

C. J. R. IRVING

### *Sebastopol:*

Mrs. A. M. MOORE

J. L. WHITTINGTON

### *New Inn:*

J. W. HAYCOCK

G. S. R. POWELL

Council Meeting—Last Tuesday in the month at 6 p.m.

## PUBLIC HEALTH DEPARTMENT

The Public Health Committee is a major Committee and is comprised of all Members of the Council

*Chairman* : Councillor H. J. ROSSER

*Vice-Chairman* : Councillor J. J Miles

Public Health Committee Meeting :

Tuesday following the first Monday in each month. (August excepted)

## PUBLIC HEALTH DEPARTMENT STAFF

Medical Officer of Health . . . F. J. HALLINAN, M.B.E. (Mil.),  
M.B., B.Ch., B.A.O. (N.U.I.),  
D.P.H. (Wales).

*Official Address*: Municipal Offices, Pontypool.

*Telephone*: Pontypool 3411 (Ext. 40).

Chief Public Health Inspector . . . J. M. WILLIAMS, M.A.P.H.I.

*Official Address*: Municipal Offices, Pontypool.

*Telephone*: Pontypool 3411 (Ext. 41).

District Public Health Inspector . . . B. GILFORD, M.R.S.I., A.M.I.S.E.  
M.R.I.P.H. & H.

District Public Health Inspector . . . J. M. JONES, Cert. R.S.I.

District Public Health Inspector . . . D. H. THOMAS, Cert. O.H.I.E.B.

Student Public Health Inspector . . . D. K. SEABOURNE  
(Appointed 6.10.'65)

Student Public Health Inspector . . . D. B. DOBBS  
(Appointed 25.9.'67)

Enforcement Officer . . . . . J. K. CRAIK, ESQ.

Clerk to the Department . . . MRS. E. B. DAVIES

Clerk / Typist . . . . . MISS K. E. HARRIS

The Chief Public Health Inspector and District Inspector D. H. THOMAS possess the Smoke Inspector's Certificate.

## OTHER COUNCIL OFFICIALS

Clerk to the Council . . . . . H. COOK, ESQ. (Solicitor)

Treasurer and Accountant . . . . . E. A. KEELEY, ESQ.,  
F.I.M.T.A.

Engineer and Surveyor . . . . . W. BROWN, ESQ., C.ENG.  
A.M.I.MUN.E., A.M.I.C.E.

Architect . . . . . A. Y. PITTS, ESQ.,  
A.R.I.B.A., A.I.Arb.

Parks Superintendent . . . . . W. R. DADGE, ESQ.  
F.INST.P.A.,

Housing Officer . . . . . P. HARRIS, ESQ.

**ANNUAL REPORT of the MEDICAL OFFICER OF HEALTH**  
**for the**  
**URBAN DISTRICT OF PONTYPOOL**  
**for the year ending 31st December, 1970.**

*To the Chairman and Members of the  
Pontypool Urban District Council.*

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have pleasure in presenting my 22nd annual public health report for your district for the year 1970.

The report has been compiled in accordance with Regulation 15 (5) of the Public Health Officers Regulations, 1959, and complies with instructions contained in circular 1/71 dated 1st January, 1971, from the Welsh Office.

**General Comments**

The year opened in the middle of an influenza epidemic which descended on the district early in December, 1970, and finally ran out its course in February, 1971. There was a marked increase in the deaths registered for elderly persons during this period which were allocated to acute bronchitis or pneumonia with or without mention of influenza on the death certificate.

During the first nine months of the year there was a high incidence of measles, when some 465 notifications were received. This coincided with the nationwide picture in respect of this disease and followed a year of very low incidence so far as this district was concerned. There were 32 notifications of infective jaundice received during the year and represented sporadic cases, mainly with no discernible connection between them generally. There was one case of food poisoning which was an imported one from abroad. Now that more and more people are going abroad on holiday each year the number of investigations in connection with gastro-intestinal upsets among the returning holiday-makers is increasing and great vigilance in this regard is necessary to avoid missing any infections in the typhoid group.

The grossly unsatisfactory conditions under which the itinerant population reside on waste land at the Lower Race have not altered and this matter has now become a 'hardy annual' so far as my annual public health reports are concerned. It is not my intention to repeat my previous accounts of conditions at this site, but merely

to say that if the responsible authority has not taken remedial measures by the end of this year, I cannot accept any further responsibility for anything arising as a result of the circumstances existing at this site.

During the year the district's water supply became the responsibility of the newly-formed Gwent Water Board, which embraces the whole county of Monmouthshire. In this connection it is again noted that our water supply has no measurable naturally occurring fluoride content, which is reflected in poor dental condition of the children seen at routine school medical examinations in this area. Now that the supply of mains water comes under a large water board it is to be hoped that the children of the not too distant future will be given the benefit of a suitably fluoridated supply with its attendant dental advantages.

The district's slum clearance programme was taken a stage further towards completion during the year and an average of 115 representations of unfit properties over the last 14 years was achieved. It must be noted in this regard that we were said to be overloading the District Valuer's Department during the year with owner occupier compensation claims by our enthusiastic progress with slum clearance, but it is not considered that the answer to this problem, if there is a problem, should be the slowing down of our work in this urgent matter of eradication of unfit dwelling houses. It is worth noting that this must be one of very few public health departments which does its own clearance area maps for submission to the Minister without any outside help from other departments. Improvement Grants were taken up more extensively than ever during the year when 106 (57 standard and 49 discretionary) were approved.

Another good year's work in enforcing the Food Hygiene (General) Regulations has been completed, and it can be said that all our food premises, with very few exceptions, now comply fully with the requirements of these regulations. In this regard it is more than unfortunate that the market provided under the Pontypool Local Board (Markets) Act, 1891, does not comply with the Food Hygiene (Markets, Stalls and Delivery Vehicles) Regulations, 1966, and it is not unreasonable that this fact is referred to frequently by those who are being made to comply with the Food Hygiene (General) Regulations. The district's private slaughterhouse, which gave much cause for concern in the past, was successfully refused a licence to continue operating during the year and its closure finally achieved. There has been quite a build up of container traffic of imported bacon into the district during the year and this entails inspection at the point of arrival in this area, as this scrutiny is not done at the port of entry into the country.

The legislation under the Offices, Shops and Railway Premises Act, 1963, has again been firmly enforced during the year, and it is pleasing to record the excellent work done under this enactment in this area to the benefit of all concerned. A very good working arrangement, which has been routine for some years, whereby all relevant plans for new buildings and alterations coming through the Surveyor's Department are passed to the Public Health Department, ensures that all the requirements of this legislation are incorporated before any structural work begins. An interesting indication of the comprehensive way in which this legislation is being enforced in this district is seen in the increasing number of requests for advice relating to this Act which come from persons intending to erect premises which might come within the ambit of this bit of law, even before formal plans are submitted.

## Physical Features

The Pontypool Urban District is situated on the eastern outcrop of the South Wales Coalfield and occupies an area of 15,907 acres. The mining areas of the district are in general away from the centres of population.

The altitude varies from 1,789 feet above sea level at Mynydd Varteg Fawr in the Abersychan Parish to 178.7 feet above sea level at the Sor, Cwmbwrrwch, in the Panteg Parish. The altitude at the Town Hall is 431 feet above sea level. The population is mainly contained in a narrow valley.

## General Statistics and Industries

Census population 1921—44,831

Census population 1931—43,910 (22,723 males and 21,187 females)

Census population 1951—42,703 (21,242 males and 21,461 females)

Census population 1961—39,930 (19,827 males and 20,103 females)

Estimated population mid-1970—36,090

The yearly estimate of the district's population by the Registrar General has shown a steady downward trend over the years which has not yet levelled off.

1955—41,660

1956—41,280

1957—40,610

1958—40,290

1959—40,020

1960—39,720

1961—39,710

1962—39,750

1963—39,280

1964—39,000

1965—38,720

1966—38,330

1967—38,160

1969—36,000

1970—36,090

These estimates show a drop of 13.4% in population since 1955.

The main heavy industries in the district include coal mining, the manufacture of stainless steel and glass-making. The main light industries include the manufacture of nylon yarn, the making of soft toys and photographic processing. Many new industries are currently being introduced to the district.

## VITAL STATISTICS

### Births

**TABLE I.** Showing the early number of live births, estimated mid-year population and birth rate per 1,000 population for this district since 1963.

| YEAR                            | 1970   | 1969   | 1968   | 1967   | 1966   | 1965   | 1964   | 1963   |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Number of live births           | 529    | 551    | 560    | 556    | 603    | 694    | 661    | 675    |
| Estimated mid-year population   | 36,090 | 36,600 | 37,210 | 38,160 | 38,330 | 38,720 | 39,000 | 39,280 |
| Birth rate per 1,000 population | 14.7   | 15.1   | 15.0   | 14.6   | 15.7   | 18.0   | 16.9   | 17.2   |

The live births allocated to the district for the year numbered 529 (284 males and 245 females), which gives a crude birth rate per 1,000 population of 14.7, somewhat lower than the previous year. The 529 live births (284 males and 245 females) were made up of 509 (272 males and 237 females) legitimate births and 20 (12 males and 8 females) illegitimate births. The illegitimate live births represented 4% of all live births as compared with a figure of 8% for England and Wales.

The natural increase (excess of births over deaths) for the year was 56, as compared with 34 in 1969, 29 in 1968 and 105 in 1967.

Stillbirths allocated to the district numbered 12 (6 males and 6 females), of which one male was of illegitimate birth. The local stillbirth rate is 22, as compared with 13 for England and Wales.

There was no death assigned to maternal causes during the year.

The local crude birth rate of 14.7 per 1,000 population may be compared with the national rate of 16.0 (provisional) if the local crude rate is multiplied by a comparability of 1.11, which gives a local adjusted rate of 16.3.

**TABLE II.** Showing the births registered in and allocated to this district for 1970 according to sex, month and quarter of occurrence, together with the inward transferable births.

| Month                               | Males      | Females    | Total      | Quarterly Births |
|-------------------------------------|------------|------------|------------|------------------|
| January .. ..                       | 16         | 12         | 28         | 79               |
| February .. ..                      | 9          | 15         | 24         |                  |
| March .. ..                         | 17         | 10         | 27         |                  |
| April .. ..                         | 14         | 8          | 22         | 72               |
| May .. ..                           | 10         | 10         | 20         |                  |
| June .. ..                          | 14         | 16         | 30         |                  |
| July .. ..                          | 10         | 9          | 19         | 82               |
| August . ..                         | 17         | 13         | 30         |                  |
| September .. ..                     | 18         | 15         | 33         |                  |
| October .. ..                       | 11         | 17         | 28         | 74               |
| November .. ..                      | 13         | 11         | 24         |                  |
| December .. ..                      | 10         | 12         | 22         |                  |
| <b>TOTALS</b> .. ..                 | <b>159</b> | <b>148</b> | <b>307</b> | <b>307</b>       |
| Inward transferable births .. ..    | 125        | 97         | 222        |                  |
| <b>GRAND TOTALS</b><br>for the year | <b>284</b> | <b>245</b> | <b>529</b> |                  |

**Comparative Birth Rates—1970**

|                                        |                    |
|----------------------------------------|--------------------|
| Pontypool Urban District .. ..         | 16.3 (adjusted)    |
| Monmouthshire Administrative County .. | 16.0 (adjusted)    |
| England and Wales .. ..                | 16.0 (provisional) |

**TABLE III.** Showing the yearly number of deaths, estimated mid-year population, and the death rate per 1,000 population for this district since 1963.

| YEAR                            | 1970   | 1969   | 1968   | 1967   | 1966   | 1965   | 1964   | 1963   |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Number of deaths                | 473    | 517    | 531    | 451    | 508    | 467    | 501    | 512    |
| Estimated mid-year population   | 36,090 | 36,600 | 37,210 | 38,160 | 38,330 | 38,720 | 39,000 | 39,280 |
| Death-rate per 1,000 population | 13.1   | 14.1   | 14.3   | 11.8   | 13.3   | 12.1   | 12.8   | 13.0   |

There were 473 deaths (260 males and 213 females) allocated to this district for the year, which is 44 less than in the previous year. The local crude rate for the year per 1,000 population was 13.1, as compared with 14.1 for the previous year.

These deaths are shown against their various causes in age and sex groups in Table V.

The various forms of cancer accounted for 76 deaths (39 males and 37 females), or 16.1% of the total deaths. Cancer of the lungs and bronchi caused 15 deaths (12 males and 3 females), as compared with 22 deaths (17 males and 5 females) in 1969 and 25 deaths (19 males and 6 females) in 1968. This is an encouraging downward trend.

Disease of the heart and blood vessels caused 265 deaths (140 males and 125 females), or 56% of the total deaths.

The respiratory diseases (excluding tuberculosis and cancer) accounted for 81 deaths (54 males and 27 females), or 17.1% of the total deaths. The small increase in these deaths over the previous year is probably a reflection of the influenza epidemic at the beginning of the year.

The local crude death rate of 13.1 per 1,000 population can be compared with the national rate of 11.7 (provisional) if the local crude rate is first multiplied by the comparability factor of 1.06 to give an adjusted local rate of 13.9.

**TABLE. IV.** Showing the deaths registered in and allocated to this district for 1970 according to sex, month and quarter of occurrence, together with inward transferable deaths.

| Month                            | Males | Females | Total | Quarterly deaths |
|----------------------------------|-------|---------|-------|------------------|
| January .. ..                    | 32    | 26      | 58    | 121              |
| February .. ..                   | 22    | 15      | 37    |                  |
| March .. ..                      | 14    | 12      | 26    |                  |
| April .. ..                      | 15    | 17      | 32    | 66               |
| May .. ..                        | 8     | 8       | 16    |                  |
| June .. ..                       | 10    | 8       | 18    |                  |
| July .. ..                       | 14    | 14      | 28    | 67               |
| August .. ..                     | 10    | 7       | 17    |                  |
| September ..                     | 14    | 8       | 22    |                  |
| October .. ..                    | 17    | 13      | 30    | 81               |
| November .. ..                   | 8     | 11      | 19    |                  |
| December .. ..                   | 18    | 14      | 32    |                  |
| TOTALS .. ..                     | 182   | 153     | 335   | 335              |
| Inward transferable deaths .. .. | 78    | 60      | 138   |                  |
| GRAND TOTAL for the year         | 260   | 213     | 473   |                  |

**Comparative Death Rates, 1970**

|                                        |                    |
|----------------------------------------|--------------------|
| Pontypool Urban District .. ..         | 13.9 (adjusted)    |
| Monmouthshire Administrative County .. | 13.0 (adjusted)    |
| England and Wales .. ..                | 11.7 (provisional) |

TABLE V. Showing the deaths for 1970 assigned to the different causes in sex and age groups.

| Cause of death                               | Sex    | Total all ages | Under four weeks | 4 weeks & under 1 year | Age in Years |        |        |        |        |        |        |        |        |
|----------------------------------------------|--------|----------------|------------------|------------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                              |        |                |                  |                        | 1-5          | 5-15   | 15-25  | 25-35  | 35-45  | 45-55  | 55-65  | 65-75+ |        |
| B5 Tuberculosis of Respiratory System ..     | M<br>F | 3<br>-         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | 2<br>- | 1<br>- |
| B11 Meningococcal Infection ..               | M<br>F | 1<br>-         | -<br>-           | 1<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- |
| B19(2) Malignant Neoplasm, Oesophagus ..     | M<br>F | 2<br>1         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | 1<br>- | -<br>- | -<br>- | -<br>- | 1<br>1 |
| B19(3) Malignant Neoplasm, Stomach ..        | M<br>F | 10<br>4        | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | 2<br>2 | 2<br>1 | 6<br>1 |
| B19(4) Malignant Neoplasm, Intestine ..      | M<br>F | 6<br>8         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | 1<br>- | -<br>2 | -<br>1 | 1<br>1 | 3<br>2 | 1<br>3 |
| B19(6) Malignant Neoplasm, Lung, Bronchus .. | M<br>F | 12<br>3        | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | 1<br>- | 4<br>3 | -<br>- | 4<br>- | 3<br>- |
| B19(7) Malignant Neoplasm, Breast ..         | M<br>F | -<br>9         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>2 | -<br>1 | -<br>5 | -<br>- | -<br>1 |
| B19(8) Malignant Neoplasm, Uterus ..         | F      | 2              | -                | -                      | -            | 1      | -      | -      | 1      | -      | -      | -      | -      |
| B19(9) Malignant Neoplasm, Prostate ..       | M      | 3              | -                | -                      | -            | -      | -      | -      | -      | -      | -      | 1      | 2      |
| B19(10) Leukaemia .. ..                      | M<br>F | 1<br>2         | -<br>-           | -<br>-                 | -<br>2       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>- | -<br>- | -<br>- | -<br>2 |

TABLE V. (continued) Showing the deaths for 1970 assigned to the different causes in sex and age groups.

| Cause of death                          | Sex    | Total all ages | Under four weeks | 4 weeks & under 1 year | Age in Years |        |        |        |        |        |          |          |          |
|-----------------------------------------|--------|----------------|------------------|------------------------|--------------|--------|--------|--------|--------|--------|----------|----------|----------|
|                                         |        |                |                  |                        | 1-           | 5-     | 15-    | 25-    | 35-    | 45-    | 55-      | 65-      | 75+      |
| B19(11) Other Malignant Neoplasms ..    | M<br>F | 5<br>8         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | 1<br>- | 1<br>1 | -<br>3 | 1<br>- | 1<br>-   | 1<br>3   | 1<br>1   |
| B21 Diabetes Mellitus ..                | M<br>F | 2<br>-         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-   | 2<br>-   | -<br>-   |
| B46(1) Other Endocrine etc. Diseases    | M<br>F | 2<br>1         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | 1<br>- | -<br>- | 1<br>- | -<br>-   | -<br>1   | -<br>-   |
| B23 Anaemias ..                         | M<br>F | -<br>1         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-   | -<br>1   | -<br>-   |
| B46(2) Other Diseases of Blood etc. ..  | M<br>F | -<br>1         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>1 | -<br>- | -<br>-   | -<br>-   | -<br>-   |
| B46(4) Multiple Sclerosis ..            | M<br>F | 1<br>-         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>- | -<br>-   | -<br>-   | -<br>-   |
| B46(5) Other Diseases of Nervous System | M<br>F | 1<br>3         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | 1<br>- | -<br>- | -<br>- | -<br>2 | -<br>-   | -<br>-   | -<br>1   |
| B26 Chronic Rheumatic Heart Disease     | M<br>F | 5<br>3         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | 1<br>- | 1<br>- | -<br>- | -<br>-   | 1<br>3   | 2<br>-   |
| B27 Hypertensive Disease ..             | M<br>F | 3<br>3         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-   | 2<br>1   | 1<br>2   |
| B28 Ischaemic Heart Disease ..          | M<br>F | 84<br>60       | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | 2<br>1 | 7<br>2 | 24<br>11 | 26<br>18 | 25<br>28 |

TABLE V. (continued) Showing the deaths for 1970 assigned to the different causes in sex and age groups.

| Cause of death                              | Sex    | Total<br>all<br>ages | Under<br>four<br>weeks | 4 weeks<br>& under<br>1 year | Age in Years |        |        |        |        |        |        |        |          |         |
|---------------------------------------------|--------|----------------------|------------------------|------------------------------|--------------|--------|--------|--------|--------|--------|--------|--------|----------|---------|
|                                             |        |                      |                        |                              | 1-           | 5-     | 15-    | 25-    | 35-    | 45-    | 55-    | 65-    | 75+      |         |
| B29    Other Forms of Heart Disease         | M<br>F | 13<br>19             | -<br>-                 | -<br>-                       | 1<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>1 | -<br>- | 1<br>- | 3<br>4   | 8<br>14 |
| B30    Cerebrovascular Disease              | M<br>F | 29<br>33             | -<br>-                 | -<br>-                       | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 3<br>2 | 3<br>4 | 8<br>8 | 15<br>19 |         |
| B46(6) Other Diseases of Circulatory System | M<br>F | 6<br>7               | -<br>-                 | -<br>-                       | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>- | 2<br>1 | 3<br>6   |         |
| B31    Influenza                            | M<br>F | 8<br>3               | -<br>-                 | -<br>-                       | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>- | 2<br>- | 1<br>1 | 4<br>2   |         |
| B32    Pneumonia                            | M<br>F | 10<br>15             | -<br>-                 | 1<br>-                       | 1<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>1 | 1<br>1 | 4<br>5 | 3<br>8   |         |
| B33(1) Bronchitis and Emphysema             | M<br>F | 28<br>7              | -<br>-                 | -<br>-                       | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | 7<br>1 | 9<br>3 | 12<br>3  |         |
| B33(2) Asthma                               | M<br>F | -<br>1               | -<br>-                 | -<br>-                       | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>1 | -<br>- | -<br>- | -<br>-   |         |
| B46(7) Other Diseases of Respiratory System | M<br>F | 8<br>1               | -<br>-                 | -<br>-                       | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>- | -<br>- | 3<br>1 | 4<br>-   |         |
| B34    Peptic Ulcer                         | M<br>F | 2<br>-               | -<br>-                 | -<br>-                       | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>- | 1<br>-   |         |
| B36    Intestinal Obstruction and Hernia    | M<br>F | 2<br>1               | 1<br>-                 | -<br>-                       | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>1 | 1<br>-   |         |

TABLE V. (continued) Showing the deaths for 1970 assigned to the different causes in sex and age groups.

| Cause of death                                     | Sex    | Total all ages | Under four weeks | 4 weeks & under 1 year | Age in Years |        |        |        |        |        |        |        |        |
|----------------------------------------------------|--------|----------------|------------------|------------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                                    |        |                |                  |                        | 1-           | 5-     | 15-    | 25-    | 35-    | 45-    | 55-    | 65-    | 75+    |
| B37    Cirrhosis of Liver    ..    ..              | M<br>F | -<br>1         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>1 | -<br>- |
| B46(8)    Other Diseases of Digestive System    .. | M<br>F | 3<br>2         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>1 | 1<br>1 | -<br>- | 1<br>1 |
| B38    Nephritis and Nephrosis    ..               | M<br>F | 1<br>2         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>- | -<br>2 | -<br>- | -<br>- |
| B39    Hyperplasia of Prostate    ..               | M      | 1              | -                | -                      | -            | -      | -      | -      | -      | -      | -      | -      | 1      |
| B46(9)    Other Diseases, Genito-Urinary System    | M<br>F | -<br>2         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>2 |
| B42    Congenital Anomalies    ..                  | M<br>F | 2<br>1         | -<br>-           | 1<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>1 | -<br>- | 1<br>- | -<br>- |
| B43    Birth Injury, Difficult Labour etc.    ..   | M<br>F | 1<br>1         | 1<br>1           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- |
| B44    Other Causes of Perinatal Mortality    ..   | M<br>F | 1<br>1         | 1<br>1           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- |
| B45    Symptoms and Ill-defined Conditions    ..   | M<br>F | -<br>1         | -<br>-           | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>1 |
| BE47    Motor Vehicle Accidents    ..              | M<br>F | -<br>1         | -<br>-           | -<br>-                 | -<br>-       | -<br>1 | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- |

TABLE V. (continued) Showing the deaths for 1970 assigned to the different causes in sex and age groups.

| Cause of death              | Sex | Total<br>all<br>ages | Under<br>four<br>weeks | 4 weeks<br>& under<br>1 year | Age in Years |    |     |     |     |     |     |     |     |
|-----------------------------|-----|----------------------|------------------------|------------------------------|--------------|----|-----|-----|-----|-----|-----|-----|-----|
|                             |     |                      |                        |                              | 1-           | 5- | 15- | 25- | 35- | 45- | 55- | 65- | 75+ |
| BE48 All Other Accidents .. | M   | 4                    | -                      | -                            | -            | -  | -   | -   | 1   | -   | -   | 1   | 2   |
|                             | F   | 5                    | -                      | -                            | -            | -  | -   | 1   | -   | -   | -   | 1   | 3   |
| TOTAL ALL CAUSES ..         | M   | 260                  | 3                      | 3                            | 2            | 1  | -   | 1   | 6   | 18  | 51  | 77  | 98  |
|                             | F   | 213                  | 2                      | -                            | -            | -  | 3   | 1   | 3   | 17  | 29  | 61  | 97  |

Table V (continued)  
 Estimated mid-year home population 36,090  
 Area comparability factors — Births 1.11; Deaths 1.06

|                    | Males |        |        | Females |        |        |                                                                                                                                                    |
|--------------------|-------|--------|--------|---------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | Total | Legit. | Illeg. | Total   | Legit. | Illeg. |                                                                                                                                                    |
| Live Births ..     | 284   | 272    | 12     | 245     | 237    | 8      | Live Births—Crude rate per 1,000 home population 14.7<br>Live Births Ratio of local adjusted birth rate to national rate .. .. 1.02                |
| Stillbirths ..     | 6     | 5      | 1      | 6       | 6      | -      | Stillbirths—Rate per 1,000 total births .. .. 22                                                                                                   |
| Deaths of Infants  |       |        |        |         |        |        | Deaths of infants                                                                                                                                  |
| Under 1 year ..    | 6     | 5      | 1      | 2       | 1      | 1      | Under 1 year of age—Rate per 1,000 live births 15                                                                                                  |
| Under 4 weeks ..   | 3     | 2      | 1      | 2       | 1      | 1      | Perinatal mortality—Rate per 1,000 total births 30                                                                                                 |
| Under 1 week ..    | 2     | 1      | 1      | 2       | 1      | 1      |                                                                                                                                                    |
| Deaths all ages .. | 260   | -      | -      | 213     | -      | -      | Deaths (all ages) Crude rate per 1,000 home population .. .. 13.1<br>Deaths (all ages) Ratio of local adjusted death rate to national rate .. 1.19 |

**TABLE VI.** Showing the deaths registered in and allocated to this district for 1970 in quinquennial age groups and by sex.

| Age last birthday | Males | Females | Total |
|-------------------|-------|---------|-------|
| 0-4 ..            | 8     | 2       | 10    |
| 5-9 ..            | 1     | —       | 1     |
| 10-14 ..          | —     | —       | —     |
| 15-19 ..          | —     | 2       | 2     |
| 20-24 ..          | —     | 1       | 1     |
| 25-29 ..          | 1     | 1       | 2     |
| 30-34 ..          | —     | —       | —     |
| 35-39 ..          | 2     | —       | 2     |
| 40-44 ..          | 4     | 3       | 7     |
| 45-49 ..          | 11    | 6       | 17    |
| 50-54 ..          | 7     | 11      | 18    |
| 55-59 ..          | 20    | 14      | 34    |
| 60-64 ..          | 31    | 15      | 46    |
| 65-69 ..          | 38    | 28      | 66    |
| 70-74 ..          | 39    | 33      | 72    |
| 75-79 ..          | 49    | 35      | 84    |
| 80-84 ..          | 24    | 29      | 53    |
| 85-89 ..          | 19    | 24      | 43    |
| 90-94 ..          | 5     | 8       | 13    |
| 95 and over ..    | 1     | 1       | 2     |
| All ages ..       | 260   | 213     | 473   |

It is noted from the above table that 333 persons (175 males and 158 females) reached the age of 65 years at death, or 70% of the total deaths.

The age of 75 years at death was attained by 195 persons (98 males and 97 females), or 41% of the total deaths.

The age of 85 years at death was attained by 58 persons (25 males and 33 females), or 12% of the total deaths.

## INFANT MORTALITY

**TABLE VII.** Showing the yearly number of infant deaths, live births, etc., for this district since 1963.

| Year                                           | 1970 | 1969 | 1968 | 1967 | 1966 | 1965 | 1964 | 1963 |
|------------------------------------------------|------|------|------|------|------|------|------|------|
| Number of deaths in infants under 1 year .. .. | 8    | 8    | 9    | 18   | 11   | 14   | 16   | 20   |
| Number of live births .. ..                    | 529  | 551  | 560  | 536  | 603  | 694  | 661  | 675  |
| Infant mortality rate .. ..                    | 15.0 | 14.5 | 16.1 | 32.4 | 18.2 | 20.2 | 24.2 | 29.6 |

There were 8 infant deaths (6 males and 2 females) recorded during the year, and all of these were of legitimate birth except 2 (1 male and 1 female). The number of infant deaths was the same as in the previous year, but the infant mortality rate was slightly higher as the actual number of live births which occurred was lower.

The local infant mortality rate for the year was 15.0 per 1,000 live births, as compared with the national rate of 18.0 per 1,000 live births.

There was a drop of 22 in the number of live births as compared with the previous year, which is the greatest variation in numbers that has occurred for the past four years.

**TABLE VIII.** Showing the infant deaths (i.e. deaths in infants under one year of age) assigned to this district for 1970 by cause and in age groups.

| Cause of Death                              | Under 1 week | 1-2 weeks | 2-3 weeks | 3-4 weeks | Total under 1 month | 1-3 months | 3-6 months | 6-9 months | 9-12 months | Total deaths under 1 year |
|---------------------------------------------|--------------|-----------|-----------|-----------|---------------------|------------|------------|------------|-------------|---------------------------|
| Prematurity .. ..                           | 4            | —         | —         | —         | 4                   | —          | —          | —          | —           | 4                         |
| Infantile broncho pneumonia .. ..           | —            | —         | —         | —         | —                   | 1          | —          | —          | —           | 1                         |
| Congenital cardiac disease (post-operative) | —            | —         | —         | —         | —                   | —          | —          | 1          | —           | 1                         |
| Congenital deformity .. ..                  | —            | 1         | —         | —         | 1                   | —          | —          | —          | —           | 1                         |
| Intestinal obstruction and hernia .. ..     | —            | —         | —         | —         | —                   | —          | 1          | —          | —           | 1                         |
| All Causes .. ..                            | 4            | 1         | —         | —         | 5                   | 1          | 1          | 1          | —           | 8                         |

The eight infant deaths during the year comprised 6 males and 2 females and equalled the number for the previous year. All of these deaths, with the exception of one, took place in hospital. Prematurity was the greatest single cause of mortality.

**TABLE IX.** Showing the infant mortality rates for England and Wales, Monmouthshire County and Pontypool Urban District since 1960.

| Year | England & Wales | Monmouthshire | Pontypool Urban District |
|------|-----------------|---------------|--------------------------|
| 1960 | 21.9            | 25.2          | 25.6                     |
| 1961 | 21.6            | 28.0          | 23.1                     |
| 1962 | 21.6            | 25.0          | 31.7                     |
| 1963 | 21.1            | 25.6          | 29.6                     |
| 1964 | 19.9            | 28.6          | 24.2                     |
| 1965 | 19.0            | 21.2          | 20.2                     |
| 1966 | 19.0            | 25.0          | 18.2                     |
| 1967 | 18.3            | 22.0          | 32.0                     |
| 1968 | 18.3            | 18.7          | 16.1                     |
| 1969 | 18.0            | 20.7          | 14.5                     |
| 1970 | 18.0            | 21.1          | 15.0                     |

**TABLE X.** Showing the number of inquests during 1970 on persons belonging to this district and the causes of death.

| Cause of death                   | Male | Female | Total |
|----------------------------------|------|--------|-------|
| Accidental falls .. ..           | 1    | 3      | 4     |
| Barbiturate poisoning .. ..      | 1    | —      | 1     |
| Pneumoconiosis .. ..             | 1    | —      | 1     |
| Coronary disease .. ..           | 1    | —      | 1     |
| Hanging—self inflicted .. ..     | 1    | —      | 1     |
| Motor vehicle accident—passenger | —    | 1      | 1     |
| Drug overdose .. ..              | —    | 1      | 1     |
| Tuberculosis and pneumoconiosis  | 1    | —      | 1     |
| All Causes .. ..                 | 6    | 5      | 11    |

There were four deaths allocated to accidental falls involving one male aged 75 years and three females aged 61, 65 and 79 years.

Motor vehicle accidents resulted in the death of one female passenger aged 18 years.

Accidental drug poisoning accounted for two deaths, a male aged 69 years and a female aged 40 years.

## NOTIFIABLE DISEASES

The notifications of notifiable diseases received from general practitioners, hospital medical officers and chest physicians during the year 1970 are shown in age and sex groups in Tables XI and XIII.

The main item of significance in this regard was the high incidence of measles notifications during the year, when 465 (217 males and 248 females) cases were recorded. There were 32 notifications of infective jaundice received during the year and these were equally divided between males and females and affected persons mainly in the range 5 years to 35 years. These cases were generally sporadic in distribution.

This is the eighteenth consecutive year during which the district has been free from any notification of diphtheria. This very satisfactory state can only be maintained if parents will ensure that their children are adequately protected by immunisation. The Monmouthshire County Council mounted an immunisation publicity campaign against diphtheria throughout the county during the year, and it is to be hoped that this will result in those parents who have not been too diligent in this respect will now correct their omission. The County Authority has also computerised its immunisation records in an effort to improve its immunisation appointments system.

Tuberculosis is by no means eradicated and cases still occur as evidenced by the notifications of 5 (4 males and 1 female) cases of pulmonary disease during the year. However, it must be noted that three of the male cases were in men over the age of 70 years who had been coal miners all their lives and had the added complication of pneumoconiosis. It is also noteworthy that four of the five persons notified produced a positive sputum.

**TABLE XI** Showing the notifiable diseases notified in this district during 1970 analysed in age and sex groups and giving the admissions to hospital. (Corrected for diagnosis).

| DISEASES                 | Under 1 yr. |    | 1-2 years |    | 2-3 years |    | 3-4 years |    | 4-5 years |    | 5-10 years |     | 10-15 years |    | 15-25 years |    | 25-35 years |    | 35-45 years |    | 45-65 years |    | 65+ years |    | ALL AGES |     |     | Cases admitted to hospital |    |   |   |
|--------------------------|-------------|----|-----------|----|-----------|----|-----------|----|-----------|----|------------|-----|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|-----------|----|----------|-----|-----|----------------------------|----|---|---|
|                          | M.          | F. | M.        | F. | M.        | F. | M.        | F. | M.        | F. | M.         | F.  | M.          | F. | M.          | F. | M.          | F. | M.          | F. | M.          | F. | M.        | F. | T.       | M.  | F.  |                            | T. |   |   |
|                          |             |    |           |    |           |    |           |    |           |    |            |     |             |    |             |    |             |    |             |    |             |    |           |    |          |     |     |                            |    |   |   |
| Diphtheria ..            | -           | 6  | -         | 16 | 27        | 34 | 32        | 20 | 31        | -  | 39         | 48  | 103         | 99 | -           | 1  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Measles ..               | 4           | -  | -         | -  | -         | -  | -         | -  | 2         | -  | 2          | -   | -           | 3  | -           | 1  | -           | 1  | -           | -  | -           | -  | -         | -  | -        | 217 | 248 | 465                        | -  |   |   |
| Scarlet fever ..         | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | 4   | 1   | 5                          | -  |   |   |
| Whooping Cough ..        | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Tetanus ..               | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Yellow Fever ..          | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Infective Jaundice ..    | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | 4          | 10  | 5           | 3  | 4           | 2  | 3           | -  | -           | 1  | -           | -  | -         | -  | -        | 16  | 16  | 32                         | -  | - |   |
| Anthrax ..               | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Food poisoning ..        | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Acute Meningitis ..      | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | 1                          | 1  | - |   |
| Typhoid ..               | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Paratyphoid ..           | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Dysentery ..             | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Ophthalmia Neonatorum .. | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Acute Encephalitis ..    | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Poliomyelitis:           | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Paralytic ..             | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Non-paralytic ..         | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Smallpox ..              | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Leprosy ..               | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Malaria ..               | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| Leptospirosis ..         | -           | -  | -         | -  | -         | -  | -         | -  | -         | -  | -          | -   | -           | -  | -           | -  | -           | -  | -           | -  | -           | -  | -         | -  | -        | -   | -   | -                          | -  | - |   |
| TOTALS ..                | 4           | 6  | 16        | 27 | 34        | 32 | 20        | 31 | 41        | 48 | 109        | 109 | 6           | 6  | 4           | 3  | 2           | 2  | -           | 2  | -           | -  | -         | -  | 237      | 266 | 503 | -                          | -  | - | - |

**TABLE XII** Showing the number of cases of notifiable diseases other than tuberculosis since 1955  
(Corrected for diagnosis).

| DISEASES              | 1970 | 1969 | 1968 | 1967 | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 | 1960 | 1959 | 1958 | 1957 | 1956 | 1955 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Diphtheria ..         | -    | 34   | 127  | 323  | 549  | 59   | 70   | 684  | 3    | 709  | -    | 92   | 620  | 187  | 338  | -    |
| Measles ..            | 465  | 9    | 2    | 15   | 10   | 1    | 3    | 7    | 12   | 3    | 2    | 9    | 36   | 39   | 32   | 509  |
| Scarlet Fever ..      | 5    | -    | 8    | 25   | 1    | -    | 8    | 8    | 17   | 10   | 5    | 3    | 63   | 31   | 49   | 17   |
| Whooping Cough ..     | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 11   | -    | -    | -    | -    | 19   |
| Tetanus ..            | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Yellow Fever ..       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Infective Jaundice .. | 32   | 15   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Anthrax ..            | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Food poisoning..      | 1    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 1    | -    | 1    | 2    | 1    | -    |
| Acute Meningitis ..   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Leprosy ..            | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Typhoid ..            | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 2    | 1    | -    |
| Paratyphoid ..        | -    | -    | -    | -    | -    | -    | -    | 1    | -    | -    | -    | -    | -    | 2    | 2    | -    |
| Dysentery ..          | -    | 1    | -    | -    | -    | 2    | -    | -    | -    | -    | 10   | -    | -    | 1    | -    | -    |
| Ophthalmia ..         | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Neonatorum ..         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 2    | 1    | -    | 1    | 1    | -    | -    |
| Acute Encephalitis .. | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Poliomyelitis :       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| (a) Paralytic ..      | -    | -    | -    | -    | -    | -    | -    | -    | 2    | -    | -    | -    | -    | 3    | -    | 1    |
| (b) Non-paralytic ..  | -    | -    | -    | -    | -    | -    | -    | -    | -    | 1    | -    | -    | -    | -    | -    | -    |
| Smallpox ..           | -    | -    | -    | -    | 8    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Malaria ..            | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| Leptospirosis ..      | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |

## TUBERCULOSIS

The Chest Clinic facilities for the district are located in the Park Buildings in the town centre. The clinic is open on two whole days each week.

A static mass radiography unit is located at the Chest Clinic, 129, Stow Hill, Newport, and is open daily from Monday to Friday (9.0 a.m. to 1.0 p.m. and 2.0 p.m. to 5.0 p.m.) with an evening session on Thursday from 5.0 p.m. to 7.0 p.m.

Mass radiography surveys were carried out at the following factories in the district during the year.

(1) Messrs. Pilkington Bros. (South Wales) Ltd.

|                                      | Male | Female | Total |
|--------------------------------------|------|--------|-------|
| Total number examined ... ..         | 323  | 54     | 377   |
| Total found to be abnormal cases ... | 4    | —      | 4     |
| (a) Referred to chest physician ...  | —    | —      | —     |
| (b) Other abnormalities of the chest | 4    | —      | 4     |

(2) Messrs. H. G. Stone & Co. Ltd.

|                                      | Male | Female | Total |
|--------------------------------------|------|--------|-------|
| Total number examined ... ..         | 17   | 111    | 128   |
| Total found to be abnormal cases ... | —    | 1      | 1     |
| (a) Referred to chest physician ...  | —    | —      | —     |
| (b) Other abnormalities of the chest | —    | 1      | 1     |

(3) Messrs. I.C.I. Fibres Ltd. (including miscellaneous contractors and Monmouthshire County Council Planning Dept. staff on site).

|                                      | Male  | Female | Total |
|--------------------------------------|-------|--------|-------|
| Total number examined ... ..         | 2,831 | 542    | 3,373 |
| Total found to be abnormal cases ... | 77    | 6      | 83    |
| (a) Referred to chest physician ...  | 9     | 1      | 10    |
| (b) Other abnormalities of the chest | 68    | 5      | 73    |

This makes a total of 3,878 persons (3,171 males and 707 females) dealt with by the mass radiography service in the district during the year, excluding those catered for at the coal mines in the district by the National Coal Board, for which figures are not available.

**TABLE XIII.** Showing the new cases of tuberculosis notified and the deaths due to tuberculosis during 1970 in age and sex groups and by type of disease (corrected for diagnosis).

| Age groups in yrs. | NEW CASES |        |               |        | DEATHS    |        |               |        |
|--------------------|-----------|--------|---------------|--------|-----------|--------|---------------|--------|
|                    | Pulmonary |        | Non-Pulmonary |        | Pulmonary |        | Non-Pulmonary |        |
|                    | Male      | Female | Male          | Female | Male      | Female | Male          | Female |
| 0— 1               | —         | —      | —             | —      | —         | —      | —             | —      |
| 1— 4               | —         | —      | —             | —      | —         | —      | —             | —      |
| 5—14               | —         | —      | —             | —      | —         | —      | —             | —      |
| 15—24              | —         | —      | —             | —      | —         | —      | —             | —      |
| 25—34              | —         | —      | —             | —      | —         | —      | —             | —      |
| 35—44              | —         | —      | —             | —      | —         | —      | —             | —      |
| 45—54              | —         | 1      | —             | —      | —         | —      | —             | —      |
| 55—64              | 1         | —      | —             | —      | —         | —      | —             | —      |
| 65 +               | 3         | —      | —             | —      | 3         | —      | —             | —      |
| TOTALS ..          | 4         | 1      | —             | —      | 3         | —      | —             | —      |

Three of the male and the one female notification gave a positive sputum at the time of notification. All the males notified had been miners and one was still so employed when notified. Three of the males notified were over 70 years of age and all died shortly afterwards in hospital. One died from a tuberculous broncho-pneumonia and two had pneumoconiosis mentioned in addition to tuberculosis as the cause of death.

**TABLE XIV.** Showing the number of cases of tuberculosis remaining on the register at 31.12.1970.

| Males     |               | Females   |               | TOTAL |
|-----------|---------------|-----------|---------------|-------|
| Pulmonary | Non-Pulmonary | Pulmonary | Non-Pulmonary |       |
| 47        | 7             | 29        | 13            | 96    |

**TABLE XV** Showing the yearly notifications of tuberculosis (all forms) for males and females, and the yearly deaths from all forms of tuberculosis since 1946. (Corrected for diagnosis)

| Year | Yearly notifications of tuberculosis |         |               |         | Total yearly notifications of pulmonary & non-pulmonary tuberculosis | Yearly deaths from tuberculosis |         |               |         | Total of yearly deaths from all forms of tuberculosis |
|------|--------------------------------------|---------|---------------|---------|----------------------------------------------------------------------|---------------------------------|---------|---------------|---------|-------------------------------------------------------|
|      | Pulmonary                            |         | Non-Pulmonary |         |                                                                      | Pulmonary                       |         | Non-Pulmonary |         |                                                       |
|      | Males                                | Females | Males         | Females |                                                                      | Males                           | Females | Males         | Females |                                                       |
|      |                                      |         |               |         |                                                                      |                                 |         |               |         |                                                       |
| 1946 | 19                                   | 13      | 11            | 3       | 46                                                                   | 12                              | 8       | 2             | 2       | 24                                                    |
| 1947 | 16                                   | 23      | 5             | 9       | 53                                                                   | 9                               | 10      | 1             | 1       | 21                                                    |
| 1948 | 21                                   | 22      | 4             | 10      | 57                                                                   | 16                              | 5       | 3             | 1       | 25                                                    |
| 1949 | 14                                   | 17      | 4             | 3       | 38                                                                   | 16                              | 6       | 1             | 1       | 24                                                    |
| 1950 | 19                                   | 17      | 1             | 4       | 41                                                                   | 6                               | 2       | 1             | 1       | 10                                                    |
| 1951 | 24                                   | 15      | 1             | 7       | 47                                                                   | 9                               | 2       | —             | 1       | 12                                                    |
| 1952 | 25                                   | 13      | 5             | 2       | 45                                                                   | 5                               | 4       | 4             | 1       | 12                                                    |
| 1953 | 12                                   | 6       | 2             | 3       | 23                                                                   | 2                               | 3       | 1             | —       | 6                                                     |
| 1954 | 13                                   | 10      | —             | 3       | 26                                                                   | 4                               | 1       | —             | —       | 5                                                     |
| 1955 | 8                                    | 8       | 2             | 1       | 19                                                                   | 1                               | 2       | —             | —       | 3                                                     |
| 1956 | 8                                    | 7       | 1             | —       | 16                                                                   | 1                               | 4       | 2             | —       | 7                                                     |
| 1957 | 8                                    | 5       | —             | 1       | 14                                                                   | —                               | 2       | —             | —       | 2                                                     |
| 1958 | 9                                    | 9       | 2             | 2       | 22                                                                   | 2                               | —       | —             | —       | —                                                     |
| 1959 | 10                                   | 9       | 1             | 1       | 21                                                                   | 2                               | 1       | —             | —       | 2                                                     |
| 1960 | 8                                    | 2       | 1             | 1       | 12                                                                   | 2                               | 1       | 1             | —       | 4                                                     |
| 1961 | 12                                   | 5       | —             | 2       | 19                                                                   | 1                               | 1       | —             | 1       | 3                                                     |
| 1962 | 8                                    | 3       | —             | 2       | 13                                                                   | 4                               | —       | 1             | —       | 5                                                     |
| 1963 | 3                                    | 1       | —             | —       | 4                                                                    | —                               | —       | —             | —       | —                                                     |
| 1964 | 8                                    | 4       | —             | 2       | 14                                                                   | 2                               | 1       | —             | —       | 3                                                     |
| 1965 | 6                                    | 5       | 1             | —       | 12                                                                   | —                               | 1       | —             | 2       | 3                                                     |
| 1966 | 3                                    | 2       | —             | —       | 5                                                                    | 1                               | —       | —             | —       | 2                                                     |
| 1967 | —                                    | —       | —             | 3       | 3                                                                    | 1                               | —       | —             | —       | 1                                                     |
| 1968 | 4                                    | 1       | —             | 2       | 7                                                                    | 1                               | —       | —             | 1       | 2                                                     |
| 1969 | 4                                    | 1       | 1             | —       | 6                                                                    | 1                               | —       | —             | 3       | 5                                                     |
| 1970 | 4                                    | 1       | —             | —       | 5                                                                    | 3                               | —       | —             | —       | 3                                                     |

**TABLE XVI.** Showing the notification rates and death rates for tuberculosis per 1,000 of the estimated mid-year population for this district since 1938.

| Year | Notification rates per<br>1,000 population |                   | Death rates per<br>1,000 population |                   |
|------|--------------------------------------------|-------------------|-------------------------------------|-------------------|
|      | Pulmonary                                  | Non-<br>Pulmonary | Pulmonary                           | Non-<br>Pulmonary |
| 1938 | 1.09                                       | .42               | .52                                 | .07               |
| 1939 | 1.15                                       | .49               | .42                                 | .07               |
| 1940 | .84                                        | .48               | .58                                 | .12               |
| 1941 | 1.13                                       | .41               | .74                                 | .05               |
| 1942 | .67                                        | .36               | .41                                 | .19               |
| 1943 | .99                                        | .22               | .49                                 | .10               |
| 1944 | 1.34                                       | .26               | .55                                 | .07               |
| 1945 | 1.88                                       | .19               | .67                                 | .12               |
| 1946 | .76                                        | .33               | .48                                 | .10               |
| 1947 | .93                                        | .33               | .45                                 | .05               |
| 1948 | 1.01                                       | .33               | .50                                 | .09               |
| 1949 | .73                                        | .16               | .56                                 | .05               |
| 1950 | .84                                        | .12               | .19                                 | .04               |
| 1951 | .92                                        | .18               | .26                                 | .02               |
| 1952 | .90                                        | .17               | .21                                 | .09               |
| 1953 | .42                                        | .12               | .12                                 | .02               |
| 1954 | .55                                        | .07               | .12                                 | NIL               |
| 1955 | .38                                        | .07               | .06                                 | NIL               |
| 1956 | .36                                        | .02               | .12                                 | .04               |
| 1957 | .32                                        | .03               | .05                                 | NIL               |
| 1958 | .45                                        | .10               | NIL                                 | NIL               |
| 1959 | .47                                        | .05               | .05                                 | NIL               |
| 1960 | .26                                        | .05               | .08                                 | .03               |
| 1961 | .43                                        | .05               | .05                                 | .03               |
| 1962 | .28                                        | .05               | .10                                 | .03               |
| 1963 | .10                                        | NIL               | NIL                                 | NIL               |
| 1964 | .31                                        | .05               | .08                                 | NIL               |
| 1965 | .28                                        | .02               | .03                                 | .05               |
| 1966 | .13                                        | NIL               | .03                                 | .03               |
| 1967 | NIL                                        | .08               | .03                                 | NIL               |
| 1968 | .13                                        | .05               | .03                                 | .03               |
| 1969 | .14                                        | .02               | .06                                 | .08               |
| 1970 | .14                                        | NIL               | .08                                 | NIL               |

## GENERAL HOUSING INFORMATION

|                                                                                                       |                       |
|-------------------------------------------------------------------------------------------------------|-----------------------|
| 1. Houses in which defects were remedied by the owner after informal notice .. .. .                   | 15                    |
| 2. Houses in which defects were remedied by the owner after formal notice under Public Health Acts .. | 26                    |
| 3. Houses in which defects were remedied after formal notice under the Housing Act, 1957 .. ..        | NIL                   |
| 4. Number of post-war council houses completed by 31.12.70 .. .. .                                    | 3,693                 |
| 5. Number of council houses under construction at 31.12.70 .. .. .                                    | 131                   |
| 6. Number of council houses completed during 1970 ..                                                  | 105                   |
| 7. Number of houses completed by private enterprise during 1970. .. .. .                              | 86                    |
| 8. Number of houses under construction by private enterprise at 31.12.70 .. .. .                      | 52                    |
| 9. Number of individual unfit houses represented to the Council during 1970 .. .. .                   | 53                    |
| 10. Number of Closing, Demolition Orders and Undertakings (as appropriate) made during 1970.. ..      | 42                    |
| 11. Number of Clearance Areas represented to the Council during 1970 .. .. .                          | 6                     |
| 12. Number of houses included in these 6 Clearance Areas                                              | 32                    |
| 13. Number of Clearance Orders and Compulsory Purchase Orders confirmed during 1970 .. ..             | 4                     |
| 14. Number of houses included in these 4 Orders ..                                                    | 55                    |
| 15. Number of Council-owned houses condemned ..                                                       | NIL                   |
| 16. Number of condemned houses still occupied at 31.12.70 .. .. .                                     | 150<br><i>approx.</i> |
| 17. Number of condemned properties actually demolished during 1970 .. .. .                            | 60                    |

## IMPROVEMENT GRANTS MADE DURING 1970

|                                                                    |     |         |          |
|--------------------------------------------------------------------|-----|---------|----------|
| (a) Number of grants made during 1970                              | ... | ...     | 106      |
| (b) Amount of improvement grants for 1970                          | ... | £30,651 |          |
| (c) Number of grants made 1949-1970 inclusive                      | ... | 1,127   |          |
| (d) Amount of improvement grants for 1949-1970 inclusive (approx.) | ... | ...     | £228,286 |

The 106 grants made included 57 standard grants and 49 discretionary grants.

### Tabulation showing slum clearance progress, rehousing from unfit houses, etc., since 1957

| Year         | No. of unfit houses represented yearly | No. of unfit houses in Col. (2) which were vacant when represented | No. of unfit houses condemned yearly | No. of rehouseings from condemned houses yearly | No. of Council houses built each year |
|--------------|----------------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------------------------------|---------------------------------------|
| (1)          | (2)                                    | (3)                                                                | (4)                                  | (5)                                             | (6)                                   |
| 1957         | 39                                     | 4                                                                  | 29                                   | 21                                              | 95                                    |
| 1958         | 51                                     | 6                                                                  | 35                                   | 42                                              | 64                                    |
| 1959         | 182                                    | 11                                                                 | 85                                   | 62                                              | 82                                    |
| 1960         | 201                                    | 23                                                                 | 245                                  | 64                                              | 73                                    |
| 1961         | 109                                    | 5                                                                  | 73                                   | 65                                              | 87                                    |
| 1962         | 132                                    | 7                                                                  | 185                                  | 105                                             | 178                                   |
| 1963         | 120                                    | 13                                                                 | 143                                  | 46                                              | 64                                    |
| 1964         | 117                                    | 11                                                                 | 68                                   | 49                                              | 74                                    |
| 1965         | 102                                    | 3                                                                  | 98                                   | 94                                              | 124                                   |
| 1966         | 125                                    | 7                                                                  | 117                                  | 141                                             | 177                                   |
| 1967         | 94                                     | 10                                                                 | 144                                  | 133                                             | 349                                   |
| 1968         | 128                                    | 5                                                                  | 107                                  | 106                                             | 137                                   |
| 1969         | 130                                    | 17                                                                 | 123                                  | 57                                              | 130                                   |
| 1970         | 85                                     | 10                                                                 | 97                                   | 50                                              | 105                                   |
| 1957 to 1970 | 1,615                                  | 132                                                                | 1,549                                | 1,035                                           | 1,739                                 |

Unfit properties have been represented at an average of 115 per year over the last 14 years and this satisfactory rate of progress has now taken us into the last quarter of our slum clearance programme.

## FACTORIES ACTS, 1937-1961

The following table shows the number and type of factories in the district and the inspections carried out during 1970 in connection with the above Acts.

**TABLE XVII.** Showing the number of factories and the inspections thereof for 1970.

| Premises                                                                                                           | No. on Register | Number of        |                    | Occu-<br>piers<br>prose-<br>cuted |
|--------------------------------------------------------------------------------------------------------------------|-----------------|------------------|--------------------|-----------------------------------|
|                                                                                                                    |                 | Inspec-<br>tions | Written<br>notices |                                   |
| (i) Factories in which sections 1, 2, 3, 4 and 6 are enforced by Local Authority .. ..                             | —               | —                | —                  | —                                 |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority .. ..                     | 164             | 27               | 1                  | —                                 |
| (iii) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) .. .. | 16              | 8                | —                  | —                                 |
| <b>TOTAL</b> .. ..                                                                                                 | <b>180</b>      | <b>35</b>        | <b>1</b>           | <b>—</b>                          |

## **MISCELLANEOUS**

### **NATIONAL ASSISTANCE ACT, 1948**

It was not necessary during the year to take action under Section 47 of the National Assistance Act, 1948, for the compulsory removal of any person in need of care and attention. It has always been our policy in such difficult cases to use all possible means of persuasion and in that way it has so far been possible to avoid recourse to compulsion.

### **Superannuation Acts, 1937-53**

There were 48 medical examinations undertaken by the Medical Officer of Health on Council employees during the year in relation to the above. Six of these medical examinations were in relation to applications for "break-down pensions." Nine referred to fitness as drivers of heavy duty vehicles.

### **Staff and Accommodation**

The Public Health Department offices are considered adequate for present requirements.

The public health inspector staff has been at full strength during the year.

The pupil public health inspectors are making satisfactory progress with their studies and practical work. Their regime has changed during the year and they now spend periods of six weeks or more at a time attending lectures in Cardiff instead of the few days each week as previously.

I have to again acknowledge on behalf of all members of the staff a very good year's work on behalf of this Council.

My thanks are also due to the Public Health Committee under the chairmanship of Councillor H. J. Rosser.

## PUBLIC ANALYST'S REPORT

I am indebted to Dr. G. V. James, M.B.E., M.Sc., F.R.I.C., Public Analyst to the Council, for the following report on the work carried out by him for this Authority during the year 1970.

I have the honour to submit my Annual Report, which has been classified in the usual manner for ease of reading:

### Food and Drugs Act, 1955

During the year a total of 108 samples was examined, of which 30 were formal and the remainder informal samples.

### Milk

24 samples of milk were taken in course of sale to the public, the average composition being:—

3.61% Fat      8.92% Solids not fat      12.53% Total Solids

Three samples showed discrepancies, one being due to 6.6% added water and the other two to fat deficiency.

The remaining samples are tabulated as follows:—

| <i>Type of Food</i>          | <i>No. of Samples</i> | <i>No. Adulterated</i> |
|------------------------------|-----------------------|------------------------|
| Dairy Products ... ..        | 15                    | —                      |
| Bread and Confectionery      | 14                    | 4                      |
| Cereal Products ... ..       | 3                     | —                      |
| Fruit and Vegetable Products | 6                     | 1                      |
| Meat and Fish Products       | 28                    | 1                      |
| Soft Drinks ... ..           | 5                     | —                      |
| Sauces and Pickles ... ..    | 3                     | 1                      |
| Soup Powders ... ..          | 2                     | —                      |
| Miscellaneous ... ..         | 8                     | —                      |
|                              | <hr/>                 | <hr/>                  |
| TOTALS ... ..                | 84                    | 7                      |
|                              | <hr/>                 | <hr/>                  |

The adulteration rate is 9.2%, which is over double the rate in 1969.

The adulterated samples are described as follows:—

1. Potato Crisps containing a piece of fabric impregnated with oil and potato starch.
2. Biscuit showing signs of rodent attack.
3. A cake and a loaf each containing metal pins.
4. Vinegar which showed mould growth.
5. A loaf of Bread with dirty oily dough.
6. Lamb's Liver decomposing.

## **Water Examination**

Chemical and bacteriological examinations continued to be made on the sources of water supplied to the Urban District, and an excellent standard of purity is maintained. Over 250 samples were examined in the year, submitted by the Urban District and also by the Water Undertaking.

## **Sewage Disposal**

Regular samples of sewage and effluents continue to be submitted by the Eastern Valley (Mon.) Joint Sewage Board for the Ponthir Treatment Plant, and the results are good.

## **Radioactivity**

Regular samples of air, rainwater, etc., continue to be examined under the County Monitoring Scheme and the results are at a satisfactory low level, well below that considered safe by the Medical Research Council. Samples are received from two sites and these remarks apply equally to both.

Again I would like to take this opportunity of expressing my appreciation of the continued co-operation shown by Dr. F. J. Hallinan and Mr. J. Williams and their Staff in the Public Health Department.

## WATER SUPPLIES 1970

I am indebted to H. D. Linton, Esq., J.P., C.Eng., A.M.Inst.C.E., A.M.Inst.W.E., F.A.W.O., Divisional Engineer to the Eastern Division of the Gwent Water Board, who are the statutory water undertakers for this Urban District, for the following report for 1970 :

The undertaking of the former Pontypool and District Water Company was transferred to the Gwent Water Board on 1st April, 1970. The Water Board is divided into three divisions in which Pontypool is situated in the Eastern Division. The following local authorities statutory areas make up the Eastern Division of the Gwent Water Board :

- Abergavenny Borough Council.
- Abergavenny Rural District Council.
- Blaenavon Urban District Council.
- Monmouth Borough Council.
- Monmouth Rural District Council.
- Pontypool Urban District Council.
- Pontypool Rural District Council (excl. Croesyceiliog).
- Usk Urban District Council.

The quantity of water distributed in the Eastern Division during 1970 was 2,153,000,000 gallons, of which approximately 1,225,000,000 gallons were distributed in the urban and adjacent areas of Pontypool. This is equal to 3,360,000 gallons per day.

Rainfall during the year, taken at Penyrhoel Reservoir, was 1,395.7 m.m., which is equal to 55 inches, slightly less than average, but the sources of water were not unduly depleted and a full supply was provided throughout. Altogether there are fourteen sources of water with a large number of treatment and Pumping Stations dealing with the supply in the Pontypool area, and all these were operating during the year and a high quality of water was maintained.

Plant, buildings and mains which were transferred to the Gwent Water Board were in good condition, although renewals and extensions will become necessary from time to time due to the age and the ever increasing demand for water.

Bacteriological and chemical samples of water were taken continuously from both the sources and consumers' premises and analysis were carried out at the Board's Court Farm laboratory by the Chief Chemist and Microbiologist, Mr. R. N. Scott, B.Sc. In all, some four hundred and thirty samples of water from the Pontypool area were dealt with, and in addition daily routine chlorine residual tests were made by the plant operatives.

There is no measurable flouride content in the natural waters in the Pontypool area.

## **ENVIRONMENTAL CIRCUMSTANCES OF THE DISTRICT**

I am indebted to J. M. Williams, Esq., M.A.P.H.I., Chief Public Health Inspector to the Pontypool Urban District Council, for the following report for 1970.

### **Control of Water Supplies**

Domestic mains water supply continued during the year to be provided by the Gwent Water Board, the area in which the Pontypool Urban District is located being known as the Eastern Area.

The sources of water are various springs and wells throughout the Eastern Valley, each source being provided with filtration and sterilization plant.

Quantitatively, all supplies proved to be satisfactory and at no time during the year was there any shortage of domestic water.

Bacteriologically also the water was good, and of the 52 samples taken by the Council from taps throughout the Urban Area, two only were shown as unsatisfactory and both these points on resampling were in order.

Except for a few incidents, the discolouration of supplies mentioned in 1969 report appears to have been remedied.

## Food Hygiene

The work of bringing all food premises into compliance with the Food Hygiene (General) Regulations continued unabated. During the period under review, the detailed survey of all public houses and clubs was commenced and was progressing satisfactorily at the end of the year. It is anticipated that this survey will be completed during 1971, when approaches will be made to the various owners concerned, with the intention of improving generally the hygiene standards of these licensed premises.

It is worthy of note that a survey of local business premises carried out in 1957 revealed that at that time there were ninety-one public houses in the Urban Area. At the end of the period under review the number still trading had dropped to fifty-nine, a reduction of over 35%; the delicensed premises in the main being those which gave most cause for concern from a public health and food hygiene point of view. This trend may well continue over the next decade.

One prosecution was taken against a local ice-cream manufacturer for offences under the Food Hygiene (General) Regulations, 1960, and the Ice Cream (Heat Treatment) Regulation, 1959. Under the first mentioned regulations the defendant was charged for:

- (a) Not having a hot water supply to the wash-hand basin.
- (b) Not having a hot water supply to a sink.
- (c) Not properly maintaining a sink, and
- (d) Exposing food to the risk of contamination.

Although pleas of not guilty were submitted, the magistrates found the cases proved and imposed total fines of £40.00 on the accused.

The charge under the Heat Treatment Regulations arose as a result of the defendant's failure to reduce a mixture of heat-treated ice-cream intended for sale for human consumption to a temperature of not more than forty-five Fahrenheit within one-and-a-half hours, contrary to Regulation 5 of the Regulations. On the advice of the Council's solicitor the charge was withdrawn before the hearing, on the grounds that the information laid was bad and should have been made under Regulation 6, which makes it an offence to sell or offer for sale ice-cream not manufactured in accordance with Regulations 3, 4 and 5. It was considered that the Council could not prove that the particular batch of ice-cream was in fact sold or offered for sale, and that being so, the failure by the manufacturer in not complying with Regulation 5 could not result in summary action by the local authority.

If this interpretation is correct, then the difficulty of identifying any particular final product with the same product at various stages of manufacture is extremely difficult, and would seem to render summary action for non-compliance with Regulations 3, 4 and 5 quite impossible.

## WORK UNDER THE FOOD AND DRUGS ACT, 1955

### **(A) Samples taken for Chemical Analysis**

To obviate any duplication of figures in this report, I refer members to the Public Analyst's report, in which Dr. James summarizes the numbers and results of the various samples of food investigated during the period under review. It is worthy of note, however, that the percentage adulteration rate is double that for the period ending on the 31st December, 1969. Except for the three deficient milks, the increase is due to complaints from the general public, which indicates that greater interest and concern is now being expressed by the food purchasing public.

The action taken on these unsatisfactory samples can be summarized as follows:

#### **(1) Two milk samples below the Statutory Fat Standard**

These results were followed by "appeal to the cow" samples, which indicated that although below the standard of 3% fat, the milk was genuine, the poor results probably being due to the fact that the herd had recently been turned out to graze during that period. It was decided by the Public Health Committee that no formal action be taken.

#### **(2) A milk sample with 6.6% added water**

This resulted in proceedings being taken against the dairy concerned and the Court imposing a fine of £5.00 upon them.

#### **(3) Potato crisps containing a piece of fabric impregnated with oil and potato starch**

It was considered that no offence had been committed and therefore no further action taken.

#### **(4) Biscuit showing signs of rodent attack**

It was considered that the Council could not prove that the packet of biscuits was in the condition complained of at the time of sale. No further action taken.

#### **(5) A fruit loaf containing a drawing pin**

This complaint resulted in prosecution under Section 2 of the Act, the Court imposing a fine of £25.00 and £1.25 costs.

#### **(6) A loaf of fruit cake containing a pin**

Experiments carried out by the Public Health Department demonstrated that a shiny pin which had been subjected to the temperature necessary for baking a cake, would affect the metal

and colour of the pin. In the case of the complaint the pin was still as new and it was assumed that it could have entered the food after purchase. Therefore, no formal action was taken.

**(7) Vinegar which showed mould growth**

The bottle of vinegar had been purchased some time before the complaint and had been partly used. It was considered that the Council would be unable to prove an offence, and therefore, no further action was taken.

**(8) A loaf of bread with dirty oily dough**

The analyst's certificate stated that, whilst the discolourations were adulterations, he considered them unsightly but harmless. Therefore, no further action taken.

**(9) Lamb's liver decomposing**

This complaint resulted in a prosecution under Section 8 (1) of the Act, and the Court imposed a fine of £10.00 following a guilty plea.

Apart from the above complaints which formally involved the Public Analyst, the Department also received the following complaints:

**(a) A swiss roll alleged to have a "peculiar taste"**

It was considered that there was no basis for complaint, and no further action was taken.

**(b) Dark bits in a steak and kidney pie**

Were alleged to be something other than kidney. The Analyst confirmed that they were, in fact, kidney. No further action was taken.

**(c) A tin of prunes in syrup were alleged to be unfit**

But the Analyst's informal report intimated that they were genuine and fit. No further action was taken.

**(d) A bottle of milk with dirt attached to the inside**

This complaint resulted in a prosecution under Regulation 27 of the Milk and Dairies (General) Regulations, 1959, and the Court imposed a fine of £10.00 and £10.00 costs on the offending dairy.

**(B) No samples were taken for pesticide residues**

### (C) Samples taken for bacteriological analysis

During the period under review some 146 samples of water, ice-cream and sliced meats were taken.

60 milk samples were taken, of which 4 failed the Methylene Blue Test and 6 were void.

The ice-cream samples fell into the following categories:

Grade I—13; Grade II—4; Grade III—4; Grade IV—2.

Two samples of sliced meat were taken, both proving to be bacteriologically sound.

### (D) Number of samples submitted for examination for *Brucella*

Fifteen samples were taken all of which were negative.

### (E) Samples of milk for excessive Anti-Biotics — NIL.

### Unsound Food in Shops

The following amounts of unsound food were voluntarily surrendered to the public health inspectors:

|                            |       |     | Cwts. | lbs. | ozs. |
|----------------------------|-------|-----|-------|------|------|
| Miscellaneous Frozen Foods | ...   |     | 2     | 48   | 10   |
| Frozen Fish                | ...   | ... | 1     | 4    | 7    |
| Cooked Ham                 | ...   | ... | —     | 12   | 12   |
| Bacon                      | ...   | ... | —     | 92   | —    |
| Frozen Ducks               | ...   | ... | —     | 16   | 8    |
| Frozen Fish Fingers        | ...   | ... | —     | 6    | 4    |
| Frozen Pork Sausage        | ...   | ... | —     | 7    | —    |
| Imported Irish Bacon       | ...   | ... | 10    | 101  | 8    |
| Tinned Fruit               | ...   | ... | —     | 31   | 4    |
| Packed Butter              | ...   | ... | —     | 80   | —    |
| Tinned Meat                | ...   | ... | —     | 19   | 12   |
| Frozen Meat                | ...   | ... | 2     | 48   | —    |
| Sausage Meat               | ...   | ... | —     | 50   | —    |
| Cheese                     | ...   | ... | —     | 15   | —    |
|                            |       |     | —     | —    | —    |
|                            | TOTAL | ... | 19    | 81   | 1    |
|                            |       |     | —     | —    | —    |

## Meat Inspection and Slaughterhouse

The following table shows the number of animals slaughtered during the period from the 1st January, 1970, until 30th August, 1970.

| Carcases Inspected and Condemned                       | Cattle excluding Cows | Cows | Calves | Sheep and Lambs | Pigs  |
|--------------------------------------------------------|-----------------------|------|--------|-----------------|-------|
| Number killed .. ..                                    | 425                   | 3    | 40     | 3,655           | 1,282 |
| Number not inspected .. ..                             | Nil                   | Nil  | Nil    | Nil             | Nil   |
| <b>All diseases except Tuberculosis and Cysticerci</b> |                       |      |        |                 |       |
| Whole carcases condemned ..                            | 1                     | Nil  | Nil    | 1               | 1     |
| Carcases of which some part or organ was condemned ..  | 117                   | Nil  | 1      | 337             | 87    |
| <b>Tuberculosis only</b>                               |                       |      |        |                 |       |
| Whole carcases condemned ..                            | Nil                   | Nil  | Nil    | Nil             | Nil   |
| Carcases of which some part or organ was condemned ..  | Nil                   | Nil  | Nil    | Nil             | 9     |
| <b>Cysticerci</b>                                      |                       |      |        |                 |       |
| Carcases of which some part or organ was condemned ..  | Nil                   | Nil  | Nil    | Nil             | Nil   |
| Carcases submitted to refrigeration                    | Nil                   | Nil  | Nil    | Nil             | Nil   |
| Generalised and totally condemned                      | Nil                   | Nil  | Nil    | Nil             | Nil   |

The Slaughterhouse at Abersychan continued to operate until August, 1970.

The last licence issued to the occupier expired in November, 1969, and upon the Council's refusal to relicence the premises, an appeal was lodged, which was finally heard by the Magistrates on the 25th June, 1970.

The Magistrates, having considered the appeal, refused to allow the re-licensing of the premises and immediately a further appeal was lodged for the case to be heard by the appeals committee of the Quarter Sessions. This, however, was withdrawn on the day before the hearing, and consequently the slaughterhouse ceased to function on the 30th August, 1970.

## OFFICES, SHOPS & RAILWAY PREMISES ACT, 1963

During the year many registered premises received their second general inspection and, in the main, the contraventions of the Act were concerned with the decorative repair of the premises.

Although more employers appear to be aware of the Act, it is still noticeable that officers concerned with the administration need to be on their toes for new employers, and it has been found necessary still to maintain a stock of OSR1 forms at the Public Health Department.

A number of new employers have been discovered quite quickly through the deposition of searches under the Land Charges Act, 1925. If any search is concerned with a shop or office, whether already registered or not, an inspection is carried out and the search endorsed as to whether or not the premises complies with the Act. At a later date, a visit is made to the premises to ascertain if registration is necessary.

It is the practice during all inspections to bring to the notice of the employer or the person in charge all the varied aspects of the Act, including the obligation of reporting notifiable accidents. Enquiries are made as a routine as to what accidents, notifiable or otherwise, have occurred since the previous inspection. In premises where more than ten persons are employed, perusal is made of the accident book required to be kept under the National Insurance Act.

Visits have been made to every premises in which dangerous machines are used and leaflets SHW2 and SHW14 distributed.

Prior to the coming into operation of the Hoist and Lifts Regulations, 1968, a survey of premises was carried out, and every premises where a lift is installed a circular, together with a copy of form F54, was delivered to the occupiers, advising them what was required under the Regulations. During the year we received three reports of unsafe lifts from Insurance Engineers, and the necessary enforcement action was taken to ensure the repairs were carried out. One of the reports concerned a "dumb waiter" at a licensed premises, where the engineer had tried unsuccessfully prior to the Regulations to have a new rope fitted, but when official pressure was applied by the Public Health Department, a new rope was fitted without delay.

A difficulty arose in connection with a set of plans deposited with the local authority for building regulation approval for an extension and alterations to a surgery for a four-doctor practice. The Act applied to the premises by virtue of the receptionists and cleaners working for more than the twenty-one hours per week.

Nevertheless, a proposed new staff W.C. with a window opening to the outside air was shown to be communicating directly with one of the consulting rooms, and since the W.C. was wholly enclosed, there appeared to be nothing that could be done about it by virtue of Regulation 6 (2) of the Sanitary Convenience Regulations, 1964.

Experience elsewhere has shown, however, that such an internal arrangement is, to say the least, highly undesirable and even falls short of the standard which can be required for factories under the Sanitary Accommodation Regulations, 1938.

It is felt that, in the absence of any legal interpretation, Ministerial guidance would be helpful on the meaning of "wholly enclosed." It is further felt that, if our interpretation is correct, then the regulations do not go far enough in this field in the interest of the health and welfare of employees.

## OFFICES, SHOPS & RAILWAY PREMISES ACT, 1963

The following table shows the summary of the Statutory Register at the end of the period under review. It also shows the number of "general" inspections carried out during the period.

| Class of Premises                                    | Number of premises registered during the year | number of registered premises at end of year | Number of registered premises receiving a general inspection during the year |
|------------------------------------------------------|-----------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------|
| Offices                                              | 2                                             | 108                                          | 12                                                                           |
| Retail shops                                         | 11                                            | 176                                          | 46                                                                           |
| Wholesale shops, Warehouses                          | —                                             | 6                                            | —                                                                            |
| Catering establishments open to the public, canteens | 2                                             | 30                                           | 24                                                                           |
| Fuel storage depots                                  | —                                             | 2                                            | —                                                                            |
| TOTALS                                               | 15                                            | 322                                          | 82                                                                           |

**Total number of visits of all kinds by Inspectors  
to registered premises under the Act**

380

"General inspection" means any inspection of premises to which the Act applies which is undertaken for the purpose of ascertaining whether all the relevant provisions of the Act and instruments thereunder are complied with as respects those premises; and "registered premises" means any premises in respect of which a notice under section 49 of the Act has been received by a local authority or by the Greater London Council and the expression "premises registered" shall be construed accordingly.

The various inspections carried out revealed the following:

| Section | Number of Contraventions found |    | Section | Number of Contraventions found                                 |    |
|---------|--------------------------------|----|---------|----------------------------------------------------------------|----|
| 4       | Cleanliness                    | 30 | 13      | Sitting facilities                                             | —  |
| 5       | Overcrowding                   | 1  | 14      | Seats<br>(Sedentary workers)                                   | 2  |
| 6       | Temperature                    | 8  | 15      | Eating facilities                                              | 2  |
| 7       | Ventilation                    | 3  | 16      | Floors, passage<br>and stairs                                  | 11 |
| 8       | Lighting                       | 7  | 17      | Fencing exposed<br>parts, machinery                            | —  |
| 9       | Sanitary convenience           | 10 | 18      | Protection of young<br>persons from dangerous<br>machinery     | —  |
| 10      | Washing facilities             | 12 | 19      | Training of young<br>persons working at<br>dangerous machinery | —  |
| 11      | Supply of drinking<br>water    | —  | 23      | Prohibition of heavy<br>work                                   | —  |
| 12      | Clothing accommodation         | 2  | 24      | First aid                                                      | 7  |
|         |                                |    |         | Other matters                                                  | —  |
|         |                                |    | TOTAL   |                                                                | 95 |

The following tables show the numbers of reported accidents :

| Workplace                                        | Number Reported |           | Total No. Investigated | Action recommended |                |                 |           |
|--------------------------------------------------|-----------------|-----------|------------------------|--------------------|----------------|-----------------|-----------|
|                                                  | Fatal           | Non Fatal |                        | Prosecution        | Formal Warning | Informal Advice | No Action |
| Offices                                          | Nil             | 1         | Nil                    | Nil                | Nil            | Nil             | 1         |
| Retail shops                                     | Nil             | 11        | 3                      | Nil                | Nil            | 3               | 8         |
| Wholesale shops and warehouses                   | Nil             | 1         | Nil                    | Nil                | Nil            | Nil             | 1         |
| Catering establishments open to public, canteens | Nil             | Nil       | Nil                    | Nil                | Nil            | Nil             | Nil       |
| Fuel storage depots                              | Nil             | Nil       | Nil                    | Nil                | Nil            | Nil             | Nil       |
| TOTALS                                           | Nil             | 13        | 3                      | Nil                | Nil            | 3               | 10        |

#### Analysis of Reported Accidents

|                                                  | Offices | Retail shops | Wholesale Warehouses | Catering Establishments open to public canteens | Fuel Storage depot |
|--------------------------------------------------|---------|--------------|----------------------|-------------------------------------------------|--------------------|
| Machinery                                        | Nil     | Nil          | Nil                  | Nil                                             | Nil                |
| Transport                                        | Nil     | 2            | Nil                  | Nil                                             | Nil                |
| Falls of persons                                 | Nil     | 4            | Nil                  | Nil                                             | Nil                |
| Stepping on or striking against object or person | Nil     | 1            | Nil                  | Nil                                             | Nil                |
| Handling goods                                   | Nil     | 2            | 1                    | Nil                                             | Nil                |
| Struck by falling object                         | Nil     | 1            | Nil                  | Nil                                             | Nil                |
| Fires and explosions                             | Nil     | Nil          | Nil                  | Nil                                             | Nil                |
| Electricity                                      | Nil     | Nil          | Nil                  | Nil                                             | Nil                |
| Use of hand tools                                | Nil     | Nil          | Nil                  | Nil                                             | Nil                |
| Not otherwise specified                          | 1       | Nil          | Nil                  | Nil                                             | Nil                |

## Disinfestations

The following table shows the work of disinfestation carried out during 1970.

| Type of Buildings          | Ants      | Earwigs   | Cockroaches | Flying Ants | Wasps     | Bugs     | Silver Fish | Cluster Flies | Wood Beetles | Mites    | Wood-Lice | Bees     | Black Beetles | Flies    | Woodworm |
|----------------------------|-----------|-----------|-------------|-------------|-----------|----------|-------------|---------------|--------------|----------|-----------|----------|---------------|----------|----------|
| Council Houses ..          | 47        | 10        | 4           | 1           | 5         | 8        | 3           | 7             | 1            | 1        | 1         | 3        | 2             | -        | 1        |
| Other Council Buildings .. | -         | -         | -           | -           | 3         | -        | -           | -             | -            | -        | -         | -        | -             | -        | -        |
| Private Houses ..          | 9         | -         | 3           | -           | 7         | -        | -           | 2             | -            | 1        | -         | 4        | -             | 1        | -        |
| Miscellaneous Buildings .. | 11        | -         | 1           | -           | 6         | -        | -           | -             | -            | -        | -         | 1        | -             | -        | -        |
| <b>TOTAL ..</b>            | <b>67</b> | <b>10</b> | <b>8</b>    | <b>1</b>    | <b>21</b> | <b>8</b> | <b>3</b>    | <b>9</b>      | <b>1</b>     | <b>2</b> | <b>1</b>  | <b>8</b> | <b>2</b>      | <b>1</b> | <b>1</b> |

## Swimming Baths

The numbers of persons using the two open air swimming baths are shown in the following table.

|                          |        | Pontnewynydd  | Griffithstown |
|--------------------------|--------|---------------|---------------|
| Adults                   | ... .. | 3,846         | 2,957         |
| Children                 | ... .. | 22,750        | 15,839        |
| Children through Schools |        | 4,126         | 2,383         |
| TOTALS                   | ... .. | <u>30,722</u> | <u>21,179</u> |

During the period when the baths were in use, regular checks were made by the Department for chlorine content. Nine samples were submitted to the public health laboratories, two of which were unsatisfactory.

Some difficulties were experienced at Pontnewynydd, where a type of algae appeared in the surface of the water and also on the bed of the pool. This occurred on two occasions, but on the second time after the bath was emptied and bottom thoroughly scrubbed with a solution of hypochlorite disinfectant, no further troubles were experienced.

## Rodent Control

The following is a summary of the Rodent Control work carried out during 1970.

| Properties other than sewers                                                                       | Type of Property |              |
|----------------------------------------------------------------------------------------------------|------------------|--------------|
|                                                                                                    | Non-Agricultural | Agricultural |
| 1. Number of properties in district (estimated)                                                    | 16,249           | 61           |
| 2. a. Total number of properties (including nearby premises) inspected following notification      | 642              | —            |
| b. Number infested by :                                                                            |                  |              |
| (i) Rats                                                                                           | 521              | —            |
| (ii) Mice                                                                                          | 6                | —            |
| 3. a. Total number of properties inspected for rat and/or mice for reasons other than notification | 16               | —            |
| b. Number infested by :                                                                            |                  |              |
| (i) Rats                                                                                           | 2                | —            |
| (ii) Mice                                                                                          | 1                | —            |

36 lengths Public Sewers were treated with fluoroacetamide at Abersychan, Wainfelin, Pontymoile, Griffithstown, Sebastopol and New Inn.

## Environmental Inspection of the Area

During 1970, 344 complaints were made to the public health department, and the work of the Public Health Inspectors may be summarised as follows :—

|                                                           |     |     |     |     |       |
|-----------------------------------------------------------|-----|-----|-----|-----|-------|
| <b>Food Premises (visits paid)</b>                        |     |     |     |     | 14    |
| Bakehouses                                                | ... | ... | ... | ... | 74    |
| Butchers' Shops                                           | ... | ... | ... | ... | 42    |
| Cafes                                                     | ... | ... | ... | ... | 46    |
| Confectioners                                             | ... | ... | ... | ... | 43    |
| Dairies and Pasteurising Plants                           | ... | ... | ... | ... | 27    |
| Fish Shops                                                | ... | ... | ... | ... | 72    |
| Food Complaints                                           | ... | ... | ... | ... |       |
| Food and Drugs (Chemical and Bacteriological Samples)     | ... | ... | ... | ... | 178   |
| Grocers' Shops                                            | ... | ... | ... | ... | 216   |
| Greengrocers' Shops                                       | ... | ... | ... | ... | 115   |
| Ice Cream Dealers and Ice Cream Manufacturers' Premises   | ... | ... | ... | ... | 47    |
| Meat Inspection                                           | ... | ... | ... | ... | 456   |
| Mobile Shops (Hawkers)                                    | ... | ... | ... | ... | 39    |
| Canteens                                                  | ... | ... | ... | ... | 7     |
| Slaughterhouse (Formal Visits)                            | ... | ... | ... | ... | 1     |
| Miscellaneous Visits                                      | ... | ... | ... | ... | 101   |
| <b>Housing (visits paid)</b>                              |     |     |     |     |       |
| Slum Clearance Inspections                                | ... | ... | ... | ... | 564   |
| Environmental and Overcrowding Enquiries                  | ... | ... | ... | ... | 166   |
| Sanitary Fittings and Structural Defects                  | ... | ... | ... | ... | 45    |
| Water Supply and Pipes                                    | ... | ... | ... | ... | 51    |
| Miscellaneous Housing Visits (Re-inspections, etc.)       | ... | ... | ... | ... | 605   |
| Improvement Grants                                        | ... | ... | ... | ... | 388   |
| Land Charges                                              | ... | ... | ... | ... | 627   |
| <b>General Hygiene (visits paid)</b>                      |     |     |     |     |       |
| Offensive Accumulations                                   | ... | ... | ... | ... | 55    |
| Atmospheric Pollution (Smoke Complaints and Observations) | ... | ... | ... | ... | 12    |
| Caravans, Fairgrounds, etc.                               | ... | ... | ... | ... | 94    |
| Drainage and Sewerage                                     | ... | ... | ... | ... | 163   |
| Keeping of Animals, Birds, etc.                           | ... | ... | ... | ... | 13    |
| Insect Pests                                              | ... | ... | ... | ... | 36    |
| Public House Urinals                                      | ... | ... | ... | ... | —     |
| Public Conveniences                                       | ... | ... | ... | ... | 4     |
| Public Houses                                             | ... | ... | ... | ... | 30    |
| Refuse Tips                                               | ... | ... | ... | ... | 29    |
| Rodent and Vermin Infestation                             | ... | ... | ... | ... | 428   |
| Unclean Premises                                          | ... | ... | ... | ... | 12    |
| Water Supplies (Sampling, etc.)                           | ... | ... | ... | ... | 43    |
| Watercourses                                              | ... | ... | ... | ... | 1     |
| Miscellaneous Sanitary Visits                             | ... | ... | ... | ... | 81    |
| <b>Factories and Outworkers</b>                           | ... | ... | ... | ... | 35    |
| <b>TOTAL</b>                                              | ... | ... | ... | ... | 4,960 |

## METEOROLOGICAL RECORDS

The following information was supplied for 1970 by the Council's Parks, Cemetery and Allotments Superintendent, W. R. Dadge, Esq., and recorded at Panteg Cemetery.

| Month           | Rainfall<br>in<br>inches | Number<br>of rain<br>days per<br>month | Highest<br>temp.<br>per<br>month<br>°F | Lowest<br>temp.<br>per<br>month<br>°F |
|-----------------|--------------------------|----------------------------------------|----------------------------------------|---------------------------------------|
| January .. ..   | 10.26                    | 22                                     | 50                                     | 21                                    |
| February .. ..  | 2.21                     | 11                                     | 52                                     | 21                                    |
| March .. ..     | 1.47                     | 10                                     | 52                                     | 26                                    |
| April .. ..     | 1.81                     | 15                                     | 60                                     | 27                                    |
| May .. ..       | 1.48                     | 7                                      | 76                                     | 42                                    |
| June .. ..      | 2.72                     | 11                                     | 85                                     | 43                                    |
| July .. ..      | 2.45                     | 12                                     | 88                                     | 41                                    |
| August .. ..    | 3.22                     | 14                                     | 84                                     | 45                                    |
| September .. .. | 3.70                     | 11                                     | 74                                     | 39                                    |
| October .. ..   | 1.75                     | 15                                     | 69                                     | 36                                    |
| November .. ..  | 9.90                     | 25                                     | 61                                     | 31                                    |
| December .. ..  | 1.66                     | 16                                     | 54                                     | 25                                    |

Total rainfall for 1970 .. 42.63 inches

Total number of rain days 1970 169

The rainfall for some previous years was as follows:—

|                      |                      |
|----------------------|----------------------|
| 1969 .. 35.15 inches | 1968 .. 46.56 inches |
| 1967 .. 49.23 inches | 1966 .. 46.51 inches |
| 1965 .. 43.33 inches | 1964 .. 30.39 inches |

Highest temperature for 1970 .. 88°F

Lowest temperature for 1970 .. 21°F



